

Permitting for Environmental Results
U.S Environmental Protection Agency

**Data Definitions Supporting
the
NPDES Profiles**

12/15/04

Introduction

This document provides definitions and source information for the data that supports the NPDES profiles, particularly the information that is outlined in the section entitled “management report” toward the end of each profile.

Data Key

Data Not Applicable (n/a) - When “n/a” appears in the report, this is an indication that the entity (EPA or the State) does not perform activities related to a given measure. This may be because the entity either has no authority for that activity or has no facilities for which it is responsible related to that measure (eg. If measure 11, # of CAFOs, is “0”, then measure 26,% CAFOs covered by NPDES permits, will be “n/a”).

Dash (--) - When a dash (--) appears in the report, this is an indication that the data is unavailable.

Dots - Values shaded with grey dots in the State column indicate that the work may not be entirely the State's responsibility, but a breakdown of the data in terms of EPA and State responsibilities is unavailable. In these cases, the data is presented in the State column and a dash (--) is included in the EPA column.

NPDES Progress

Universe

(1) **# major facilities:** This count reflects the number of permit IDs in PCS for which the Major Discharge Indicator is "true" ([MADI] = M). It includes only permits for which the third character of the permit ID, which indicates the permit type, is a numerical digit (Standard Individual Permits), G (facility covered by a General Permit) or S (storm water permit for an individual facility). Permit IDs with any other letter in the third character are excluded due to the inconsistency of their usage in PCS. The number of EPA-issued permits in authorized States is based on a list of such permits provided by the Regions.

Data Sources: PCS, via June 2004 Backlog Report (“Permit Status Report for Majors”). PCS pull on 6/30/04; in combination with list of EPA-issued permits in authorized States, provided by Regions June 2004.

(2) # minor facilities covered by individual permits: This count includes the permit numbers in PCS for which the third character of the permit ID is a numerical digit (Standard Individual Permits) and the Major Discharge Indicator is "false" ([MADI] is blank). Permits with any letter in the third character of the permit ID are excluded, due to the inconsistency of their usage in PCS and the lack of a requirement for States to enter data for minor facilities covered by general permits. The number of EPA-issued permits in authorized States is based on a list of such permits provided by the Regions.

Data Sources: PCS, via June 2004 Backlog Report ("Permit Status Report for Minors (Individual Permits Only)"). PCS pull on 6/30/04. List of EPA-issued permits in authorized States, updated June 2004.

(3) # minor facilities covered by non-storm water general permits: Includes only facilities covered by non-storm water general permits. This count is based on numbers the Regions submit through ePIFT (electronic Permit Issuance Forecasting Tool). For each of their States, Regions report the number of general permits and the total number of facilities covered by general permits, including information on whether the State or Region issued the permit. Regions 6 and 8 have Region-wide general permits issued by EPA. The facilities covered by these permits are reflected in the EPA and overall totals for the Region, but not included in the EPA numbers for individual States. These numbers are captured quarterly for use in the Backlog Reports. This system was instituted because there is no explicit national requirement for States to enter data for facilities covered by general permits into PCS, and therefore these data are poorly populated.

Data Sources: ePIFT via June 2004 Backlog Report ("Permit Status Report for Minors (Includes Facilities Covered by General Permits)"). ePIFT data for non-storm water general permits as of March 2004.

(4) # priority permits: Priority permits are those designated as such through an agreement between Regions and States and reported to EPA Headquarters. They are comprised of permits that have been expired for more than two years and are identified as environmentally significant. These permits will be identified for tracking purposes by using a Headquarters-defined field in PCS as a flag.

Data Source: Annual agreements between State and Region, to be submitted to EPA Headquarters. These data are not yet available for the NPDES Management Report.

(5) # pipes at facilities covered by individual permits: This count is based on the pipe records associated with Standard Individual permits in PCS (third character of permit ID is a numerical digit). Both major and minor facilities are included. The total number of pipes is a count of all unique Discharge and Report Designator combinations [DSDG]. In cases where there are no pipe records (i.e. no DSDG) associated with a given permit record, the pipe count for that facility record is considered to be one for the purposes of this measure. In other words, it is assumed that each facility has at least one pipe, even if none are entered in PCS.

Data Source: June 2004 PCS clean-up progress report. PCS data pulled on June 28, 2004.

(6) # industrial facilities covered by individual permits: Standard Individual permits (third character of permit number is numerical digit) with Industrial Classification [INCL] equal to Primary on ELG [P], on ELG [R] or not on ELG [X]. Facilities with [INCL] blank (due to SIC code not being entered) are not counted. “Type of Permit Issued” [EPST] is used to determine State- vs. EPA-issued permits. Where this field is blank, the facilities have been counted as State-issued for authorized States. For non-authorized states, all facilities are counted as EPA-issued. (Note that, if data has been entered into PCS prior to permit issuance, this measure will capture facilities that have submitted applications but are not yet actually covered by individual permits.)

Data Source: PCS pull via Envirofacts (Envirofacts pull 6/28/04, PCS data retrieved 6/12/04, posted to Envirofacts 6/25/04)

(7) # POTWs covered by individual permits: Standard Individual permits (third character of permit number is numerical digit) with Industrial Classification [INCL] equal to Municipal [M]. The Industrial Classification is a system generated field and equals ‘M’ when the facility’s SIC code [SIC2] is 4952 (sewerage systems) and type of ownership [TYPO] is public [PUB]. Facilities with [INCL] blank are not counted. “Type of Permit Issued” [EPST] is used to determine State- vs. EPA-issued permits. Where this field is blank, the facilities have been counted as State-issued for authorized States. For non-authorized states, all facilities are counted as EPA-issued. (Note that, if data has been entered into PCS prior to permit issuance, this measure will capture facilities that have submitted applications but are not yet actually covered by individual permits.)

Data Source: PCS pull via Envirofacts (Envirofacts pull 6/28/04, PCS data retrieved 6/12/04, posted to Envirofacts 6/25/04)

(8) # pretreatment programs: Count of records in PCS for which the pretreatment code [PRET] is [Y], and the permit type, indicated by the third character of the permit number, is either Standard Individual (third character is a numerical digit) or Unpermitted (third character is ‘U’). (Some wastewater treatment facilities do not discharge to surface water and, therefore, do not require typical NPDES permits, but may have local pretreatment programs. In these cases the permits governing the pretreatment program are designated as Unpermitted in PCS.)

Section 403.10(e) of the Clean Water Act allows states to remain the pretreatment control authority, rather than delegating the authority to POTWs. The states that have chosen to retain this authority are CT, VT, AL, MS, and NE. These states are marked “n/a” for this measure.

Data Source: PCS pull via Envirofacts (Envirofacts pull 6/28/04, PCS data retrieved 6/12/04, posted to Envirofacts 6/25/04)

(9) # Significant Industrial Users (SIUs) discharging to pretreatment programs: This measure counts Significant Industrial Users (SIUs) that discharge to POTWs with authorized local pretreatment programs. It does not include SIUs for which control mechanisms are issued directly by the State or Regional permitting authority.

The PCS pull is restricted to the records counted in measure #8, pretreatment programs, as described above. This measure totals the number of SIUs reported as discharging to POTWs

with local pretreatment programs [SIUS] for the most recent pretreatment inspection/audit date [DTIA] for each facility. (Information on the SIUs discharging to a pretreatment program is recorded with the inspection records for the pretreatment program.)

Data Source: PCS pull via Envirofacts (Envirofacts pull 6/28/04, PCS data retrieved 6/12/04, posted to Envirofacts 6/25/04)

(10) # Combined Sewer Overflow (CSO) permittees: Count of permits that are specific to combined sewer systems with combined sewer overflows (CSOs) or have CSO conditions in the permit.

Data Source: Based on PCS. The inventory of CSO permits is confirmed by State and Regional CSO coordinators, and this confirmed inventory is stored in a database established by a contractor under the direction of the Municipal Branch of the Water Permits Division for use in preparation of the 2004 CSO/SSO Report to Congress. Data for this measure is as of June 2004.

(11) # CAFOs (current and est. future): From CAFO Rule Implementation report, “2004 Est. # of CAFOs.”

The number reported in this measure is an estimate of the number of Concentrated Animal Feeding Operations (CAFOs) which will require permits under the CAFO regulations published in the Federal Register on February 12, 2003. This includes both currently permitted CAFOs and an estimate of the additional CAFOs that require permits under the new regulations.

Data Source: Water Permits Division, Rural Branch report, “CAFO Rule Implementation as reported by Regions, 1st Quarter 2004 (1/1/04 - 3/31/04).”

(12) # biosolids facilities: Count of facilities that are required to submit annual biosolids reports to the Regions. This includes both POTWs and certain other facilities that handle biosolids.

Data Source: Annual reports submitted by biosolids facilities in February of each year. These data are not yet available for the NPDES Management Report.

NPDES Program Administration

(13) State or Region assessment of State NPDES program: This measure indicates whether an NPDES program assessment and/or NPDES program profile has been completed by/for the State and submitted to Headquarters. Program self-assessments are completed by the States, program profiles are completed by the Regions and include both State and EPA components. The State column has an “A” if the State has completed a self-assessment and a “P” if the Region has completed the State component of the program profile. If both the self-assessment and State component of the profile have been completed, the State column will have “A,P”, if neither has been completed, the column will have “N.” The EPA column has a “P” if the Region has completed the EPA component of the program profile, or an “N” if they have not. These documents are being tracked by the Water Permits Division.

Data Source: PER Tracking.

(14) % pipes at facilities covered by individual permits w/ lat/long in PCS: This measure is based on the pipe records associated with Standard Individual permits in PCS (third character of permit ID is a numerical digit). Both major and minor facilities are included. The total number of pipes is a count of all unique Discharge and Report Designator combinations [DSDG]. In cases where there are no pipe records (i.e. no DSDG) associated with a given permit record, the pipe count for that facility record is considered to be one for the purposes of this measure. In other words, it is assumed that each facility has at least one pipe, even if none are entered in PCS. The measure does not take into account the presence or absence of metadata.

(pipes with lat/long [average of count PLAT and count PLON])/(total pipes [count DSDG])

National Average: (national total pipes with lat/long)/(national total pipes)

Data Source: June 2004 PCS clean-up progress report. PCS data pulled on June 28, 2004.

(15) State CAFO legal authority expected (mo/yr): From CAFO Rule Implementation report, "Target Final Program Revision." The date that the State completed or anticipates completing regulatory changes and any statute changes to come into compliance with the new Federal CAFO regulations published in the Federal Register on February 12, 2003. "NC" indicates that no change is needed in the State's regulations. "n/a" indicates that either the State is not the NPDES permitting authority, or there are no CAFOs present.

Data Source: Water Permits Division, Rural Branch report, "CAFO Rule Implementation as reported by Regions, 1st Quarter 2004 (1/1/04 - 3/31/04)."

(16) # Withdrawal petitions/legal challenges: This count includes both petitions that have been filed requesting that a State program be withdrawn by a Region and lawsuits which call for the withdrawal of a State program.

The count of withdrawal petitions reflects the number of petitions filed with the EPA to withdraw a State's NPDES program authorization for which the Petition Status field is "active". It includes only petitions for withdrawal of the NPDES program and does not track petitions for any other authorized or delegated programs. This count is based on information the Regions submit through eWPTS (electronic Withdrawal Petition Tracking System), a web-based management tool maintained by EPA. These numbers are captured quarterly. Petitions submitted before 1989 are not currently in the system. No petitions submitted before 1989 are currently active.

Data Source: electronic Withdrawal Petition Tracking System, as of April 12, 2004 ; Office of General Counsel, count of lawsuits as of June 30, 2004.

(17) DMR data entry rate: The percentage for each State is the number of DMR forms received and entered into PCS for major facilities for the quarter 7/1/03-9/30/03 divided by the number of DMR forms expected for majors in that quarter.

Data Source: PCS pull 6/28/04.

(18) # Permit applications pending: This measure counts permits which appear to have been awaiting initial issuance for more than one year. It does not include applications for permit renewals.

The count includes those records in PCS for Standard Individual and Storm Water Individual (third character of permit number is 'S') permits that do not have issuance dates entered in PCS ([PERD] is blank) where the application received date [APRD] is either blank or earlier than 12/1/02. Includes both majors and minors.

Data Source: PCS via June 2004 Backlog Report ("NPDES Count and Backlog and Staleness Percentages by State" (Major and Minor Facilities)). PCS pull on 6/30/04.

NPDES Program Implementation

(19) % major facilities covered by current permits: Includes major ([MADI] = M) facilities with Standard Individual, General, or Individual Storm Water permits (third character of permit number is numerical digit, G, or S). Permits that have not reached their expiration date [PERE], or are less than 180 days past that date, are considered current. The records identified as pending applications (see definition for measure #18) are not considered current.

Permits issued by EPA in authorized States are based on a list of permit numbers provided by the Regions. Data as to the currency of these permits is taken from PCS based on this list of permit numbers.

National Average:

$$(\text{national total major facilities with current permits}) / (\text{national total major facilities})$$

Data Source: PCS, via June 2004 Backlog Report ("Permit Status Report for Majors"). PCS pull on 6/30/04; in combination with list of EPA-issued permits in authorized States, provided by Regions June 2004.

(20) % minor facilities covered by current individual or non-storm water general permits:

Includes both facilities covered by individual permits and facilities covered by non-stormwater general permits.

Data on individual permits is from PCS and includes minor facilities ([MADI] blank) with Standard Individual permits. Permits that have not reached their expiration date [PERE], or are less than 180 days past that date, are considered current. The records identified as pending applications (see definition for measure #18) are not considered current.

Data on facilities covered by non-storm water general permits is from ePIFT. Although PCS tracks some data for facilities covered by NPDES general permits, there is no explicit national requirement for States and Regions to input these data; thus, the data are incomplete and unreliable. To fill this data gap, EPA developed the ePIFT tracking system to gather basic counts of facilities covered by current and expired non-storm water general permits. States and Regions submit the number of facilities covered by non-storm water general permits and the number of facilities for which those permits are current to the web-based ePIFT system. Data is extracted from ePIFT quarterly.

Permits issued by EPA in authorized States are based on a list of permit numbers provided by the Regions. In addition, Regions 6 and 8 have Region-wide general permits issued

by EPA. The facilities covered by these permits are reflected in the EPA and overall totals for the Region, but not included in the EPA numbers for individual States.

National Average: (national total minor facilities covered by current permits)/(national total minor facilities)

Data Sources: PCS and ePIFT via June 2004 Backlog Report (“Permit Status Report for Minors (Includes Facilities Covered by General Permits)”). PCS pull for individual permits on 6/30/04. ePIFT data for non-storm water general permits as of March 2004. List of EPA-issued permits in authorized States, updated June 2004.

(21) # major facilities w/permits expired >10 yrs.: Includes major ([MADI] = M) facilities with Standard Individual, General or Individual Storm Water permits. Permits issued by EPA in authorized States are based on a list of permit numbers provided by the Regions. Counts facilities for which the expiration date is more than 10 years plus 180 days prior to the pull date (permits expired before July 4, 1993).

Data Source: PCS, via June 2004 Backlog Report (“NPDES Count and Backlog and Staleness Percentages by State (Major Facilities)”). PCS pull on 6/30/04; in combination with list of EPA-issued permits in authorized States, provided by Regions June 2004.

(22) % priority permits issued as scheduled: Calculated based on the “priority permits” identified by Regions and States and flagged in PCS (see measure #4). This tracking will begin in fiscal year 2005. % = (# priority permits issued on or before the date established in the State/Regional priority permit plan)/(# priority permits scheduled to be issued by the date of the PCS pull)

Data Source: PCS pull (To be conducted at the end of Fiscal Year 2005.)

(23) % pretreatment programs inspected/audited during 5 yr. inspection period: Restricted to PCS records with pretreatment code [PRET] = [Y] and type of permit is either Standard Individual or Unpermitted (see discussion under measure #8), and Inspection Type [TYPI] is Pretreatment Compliance Inspection [P] or Pretreatment Audit [G]. “n/a” indicates the State/territory has no facilities with [PRET] = [Y]. % = (Standard Individual or Unpermitted facilities with [PRET] = [Y], and at least one Inspection Date [DTIN] between 7/1/1998 and 12/31/2003)/(Standard Individual or Unpermitted facilities with [PRET] = [Y])

National Average: (national total pretreatment programs inspected in 5 yr. period)/(national total pretreatment programs)

Section 403.10(e) of the Clean Water Act allows states to remain the pretreatment control authority, rather than delegating the authority to POTWs. The states that have chosen to retain this authority are CT, VT, AL, MS, and NE. These states are marked “n/a” for this measure.

Data Source: PCS pull via Envirofacts (Envirofacts pull 6/28/04, PCS data retrieved 6/12/04, posted to Envirofacts 6/25/04)

(24) % SIUs w/control mechanisms: This measure utilizes PCS records for pretreatment programs, as counted in measure #8. Information on the SIUs discharging to a pretreatment program is recorded with the inspection records for the pretreatment program.

% = $1 - ([\text{NOCM}] / [\text{SIUS}])$ for most recent pretreatment inspection/audit date [DTIA]. ([NOCM] is SIUs without Control Mechanism)

National Average: $1 - (\text{national total } [\text{NOCM}] / (\text{national total } [\text{SIUS}]))$

States/territories with no SIUs (measure 9) are marked “n/a” for this measure.

Data Source: PCS pull via Envirofacts (Envirofacts pull 6/28/04, PCS data retrieved 6/12/04, posted to Envirofacts 6/25/04)

(25) % of CSO permittees with long-term control plans developed or required: Combined sewer systems are required to have NPDES permits or other enforceable mechanisms that require the development and implementation of long-term CSO control plans (LTCPs). This measure counts those permittees that have an NPDES permit or other enforceable mechanism requiring the development of a LTCP.

For this measure, beginning in FY 05, we plan to track the percentage of CSO communities with schedules in place to implement approved LTCPs.

States/territories with no CSO permittees (measure 10) are marked “n/a” for this measure.

National Average: $(\text{national total CSO permits requiring development of LTCP}) / (\text{national total CSO permits})$

Data Source: Database established by the Municipal Branch of the Water Permits Division for use in preparation of the 2004 CSO/SSO Report to Congress. The database contains basic locational and permit information about facilities with combined sewer systems, as well as information specific to the characteristics and control of CSOs/SSOs. The inventory of CSO permits in this database is based on information from PCS and verified by State and Regional CSO coordinators. Updates were made twice between April and September 2003, based on information submitted by permitting authorities. Data for this measure is as of June 2004.

(26) % CAFOs covered by NPDES permits: From CAFO Rule Implementation report, “2004 % [NPDES] coverage to date.” This percentage is based on the universe of CAFOs identified in measure #11. The universe is an estimate of the number of CAFOs which will require permits under the CAFO regulations published in the Federal Register on February 12, 2003. This includes both currently permitted CAFOs and an estimate of the additional CAFOs that require permits under the new regulations. National Average: $(\text{sum over states } (\% \text{ CAFOs with permits} * \# \text{ CAFOs})) / (\text{national total CAFOs})$

Data Source: Water Permits Division, Rural Branch report, “CAFO Rule Implementation as reported by Regions, 1st Quarter 2004 (1/1/04 - 3/31/04).”

(27) % biosolids facilities that have satisfied part 503 requirements: Facility annual biosolids compliance reports are submitted to Regions and delegated States in February of each year. Gathering data for this measure will require Regions to determine facilities’ satisfaction of part 503 requirements based on the annual reports and report their findings to Headquarters. These data are not yet available for the NPDES Management Report.

(28) # Phase I storm water permits issued but not current: Phase I encompasses medium/large municipal, industrial, and large construction (>5 acres disturbed). This measure includes both

individual permits issued to municipal facilities and general permits for industrial and construction sources. The count reflects permits that have been issued but expired more than six months before the date of the data and have not been reissued.

Data Source: Information on the status of Phase I municipal (MS4) permits is maintained by the Water Permits Division, based on contact with Regional Storm Water Coordinators. Information on the status of other types of permits is gathered from State and Regional web sites, supplemented by information from the States and Regions, by the Storm Water Team of the Water Permits Division. Data for this measure is as of July 1, 2004.

(29) # Phase I storm water permits not yet issued: Phase I encompasses medium/large municipal, industrial, and large construction (>5 acres disturbed). This measure includes both individual permits issued to municipal facilities and general permits for industrial and construction sources. The count includes those permits that are expected, but which have never been issued.

Data Source: Information on the status of Phase I municipal (MS4) permits is maintained by the Water Permits Division, based on contact with Regional Storm Water Coordinators. Information on the status of other types of permits is gathered from State and Regional web sites, supplemented by information from the States and Regions, by the Storm Water Team of the Water Permits Division. Data for this measure is as of July 1, 2004.

(30) Phase II storm water small MS4 permits current: States issue permits (mostly general permits) to cover small municipal separate storm sewer systems (MS4s) that are regulated under the Storm Water Phase II rule. "Y" indicates a general permit is issued and effective, "N" indicates a general permit has not yet been public noticed, and "D" indicates that the general permit has been public noticed but not yet issued. For states that intend to issue individual permits for Phase II municipalities, this field indicates the number of individual permits that have been issued, the number that have been public noticed but not yet issued, and the number that the permitting authority has not yet noticed (e.g., 3/2/0 for DE indicates that of the five individual small MS4 permits required, the state has issued three, has public noticed two and has zero that have yet to be public noticed). "n/a" for an authorized State/Territory indicates that there are no such facilities in the jurisdiction (VI).

Data Source: Gathered from State and Regional web sites, supplemented by information from the States and Regions, by the Storm Water Team of the Water Permits Division. Data for this measure is as of July 1, 2004.

(31) Phase II storm water construction permit current: States issue a general permit to cover construction activities that disturb between one and five acres of land. "D" indicates that the permit has been written but not yet finalized.

Data Source: Gathered from State and Regional web sites, supplemented by information from the States and Regions, by the Storm Water Team of the Water Permits Division. Data for this measure is as of July 1, 2004.

NPDES Compliance Monitoring and Enforcement Response

(32) % major facilities inspected: Inspection year (July 1, 2002-June 30, 2003)

The universe of major NPDES inspections includes those at municipal, industrial and federal facilities. This is a coverage measure of majors active as of 12/12/03, i.e. if a facility is inspected 2 times in one year, the coverage count is only one since it is measuring the number of major facilities inspected, not number of inspections.

Oversight Inspections are not counted for this inspection coverage measure. Since Oversight Inspections represent inspections where the Region observes how well a State conducts an inspection, they do not represent an actual inspection of the facility, but rather the State. In addition, the corresponding State inspection is already being counted for this inspection coverage measure. Pretreatment Compliance Inspections and Pretreatment Compliance Audits are not counted for this inspection coverage measure since this is not a measure of how well publicly owned treatment works (POTWs) manage their pretreatment program.

The distinction between the EPA and State columns is based on which entity conducted the inspection, not on which entity issued the permit for a facility. For example, in authorized States, EPA may conduct inspections at facilities with State-issued permits.

Data Source: PCS through IDEA. Universe count of majors used as the denominator for the percentage calculations retrieved 12/12/03. Count of major facilities inspected (July 1, 2002-June 30, 2003) retrieved 6/12/04.

(33) (inspections at minors)/(total inspections at majors and minors): Inspection year (July 1, 2002-June 30, 2003).

This measure compares the total number of EPA and State inspections conducted in a State during the inspection year 2003, both major and minor, and calculates what percentage of total inspections were conducted at minors. Active and inactive facilities are included. For majors, standard and general permit types (third character of permit ID is a numerical digit or G) are included. For minors, all permit types are included. This is not a measure of the number of minor facilities inspected compared to the universe of minors.

Oversight Inspections are included in the total number of EPA inspection counts for this measure. Oversight Inspections are not included in the total number of State inspection counts since, by definition, they are EPA inspections. Pretreatment Compliance Inspections and Pretreatment Compliance Audits are not counted for this measure since this is not a measure of how well publicly owned treatment works (POTWs) manage their pretreatment program.

The distinction between the EPA and State columns is based on which entity conducted the inspection, not on which entity issued the permit for a facility. For example, in authorized States, EPA may conduct inspections at facilities with State-issued permits.

If no inspections were conducted by a state/territory, or by EPA within a state/territory, this measure is marked "n/a."

Data Source: PCS through IDEA. PCS data retrieved 6/12/04.

(34) % major facilities in significant non-compliance (SNC): Fiscal year (10/01/02 to 9/30/03). Reports on facilities in SNC anytime during FY 2003. Calculated using the following: # of major facilities in the State in SNC anytime during the FY divided by the total # major facilities in the State (as of 2/4/04).

Data Source: OTIS Management Report. Universe count of majors used as the denominator for the percentage calculations retrieved 2/4/04. Count of major facilities in SNC (10/1/02 to 9/30/03) retrieved 6/12/04.

(35) % SNCs addressed by formal enforcement action (FEA): Fiscal year (10/01/02 to 9/30/03).

Includes both EPA and State formal actions within a State. This measure reports on the percent of major facilities in the eligible SNC universe that had a formal enforcement action (orders and consent decrees) during 10/1/02 - 9/30/03. Does not include Penalty Orders. The eligible SNC universe for this measure are those facilities that were in SNC on 7/1/02 plus those that entered SNC during the period 7/1/02 - 6/30/03.

If there were no facilities in SNC during FY 2003 this measure is marked "n/a."

Data Source: PCS data, via IDEA. PCS data retrieved 6/12/04.

(36) % SNCs returned to compliance w/o FEA: Fiscal year (10/01/02 to 9/30/03).

This measure reports on the percent of major facilities in the eligible SNC universe that returned to compliance on their own during 10/1/02 - 9/30/03 by changing behavior, correcting problems, etc., without a formal enforcement action requiring certain actions. The eligible SNC universe for this measure are those facilities that were in SNC on 7/1/02 plus those that entered SNC during the period 7/1/02 - 6/30/03.

If there were no facilities in SNC during FY 2003 this measure is marked "n/a."

Data Source: PCS data, via IDEA. PCS data retrieved 6/12/04.

(37) # FEAs at major facilities: Fiscal year (10/01/02 to 9/30/03).

Total number of State and EPA formal enforcement actions taken in a State against major facilities. The data is broken out by EPA and by State. Formal enforcement actions include administrative orders, consent decrees and penalty orders. All permit types (including general permits) are included.

The distinction between the EPA and State columns is based on which entity took the enforcement action, not on which entity issued the permit for a facility. For example, in authorized States, EPA may take enforcement actions at facilities with State-issued permits.

Data Source: OTIS Management Report. PCS data retrieved 6/12/04.

(38) # FEAs at minor facilities: Fiscal year (10/01/02 to 9/30/03).

Total number of formal enforcement actions taken in a State against minor facilities. Formal enforcement actions include administrative orders, consent decrees and penalty orders. All permit types (including general permits) are included.

The distinction between the EPA and State columns is based on which entity took the enforcement action, not on which entity issued the permit for a facility. For example, in authorized States, EPA may take enforcement actions at facilities with State-issued permits.

Water Quality Progress

Universe

(39) River/stream miles: The total number of stream miles (perennial and intermittent) within a State.

Data Source: National Hydrography Dataset (NHD) at the 1:100,000 scale. Due to differences between the NHD and published State reporting, values provided by the States and Regions were used for this measure for the following States: MA, ME, NH, RI, VT, NJ, DC, MD, PA, VA, WV, AL, FL, IL, IN, MI, MN, OH, WI, AR, LA, NM, OK, TX, KS, MT, SD, AZ, CA, NV.

(40) Lake acres: The total number of lake acres within a State.

Data Source: National Hydrography Dataset (NHD) at the 1:100,000 scale. Due to differences between the NHD and published State reporting, values provided by the States and Regions were used for this measure for the following States: MA, ME, NH, RI, VT, DC, MD, PA, VA, WV, AL, FL, IL, IN, MI, MN, OH, WI, AR, LA, NM, OK, TX, MT, SD, AZ, CA, NV.

(41) Total # TMDLs in docket at end of FY 2003: The total number of unique waterbody/impairment combinations in the most recent 303(d) list that has been entered into the National TMDL Tracking System (NTTS):

1998 303(d) list: AL, AS, AZ, CA, CO, FL, GU, HI, IA, ID, KS, KY, LA, ME, MO, MS, NE, NH, NV, OK, TX, WA.

2000 303(d) list: MT, RI, VT

2002 303(d) list: AK, AR, CT, DC, DE, GA, IL, IN, MA, MD, MI, MN, NC, NJ, ND, NM, NY, OH, OR, PA, PR, SC, SD, TN, UT, VA, VI, WI, WV, WY

Data Source: NTTS, count of waterbody segment/impairment combinations. Pull taken on July 2, 2004.

(42) # TMDLs committed to in FY 2003 management agreement: The number of TMDLs the state committed to completing during fiscal year 2003 (10/01/02 to 9/30/03) as part of their overall program annual planning discussion with the Region.

Regions 4 and 9 made Regional commitments for FY 2003, but did not explicitly divide the commitment among individual states. The states in these Regions are marked “n/a” and only a Regional total is provided.

Data Source: Regional records of State commitments, compiled by the Watersheds Branch in the Office of Wetlands, Oceans and Watersheds; June 1, 2004.

(43) # Watersheds: The number of sub-basins (cataloging units), also known as the 8-digit hydrologic unit code, within the US was calculated using the USGS hydrologic unit boundary

dataset. Watersheds that crossed Regional boundaries were assigned to the Region that had the largest percentage of the watershed's area. This measure is not calculated on a State-by-State basis due to complications resulting from watersheds that cross multiple State boundaries.

Data Source: USGS hydrologic unit boundary set, except for Region 7, for which the value was provided by the Region.

Water Quality Administration

(44) On-time Water Quality Standards (WQS) triennial review completed: A State is counted as having an on-time triennial review if the State has held a public hearing on any part of its water quality standards in the past three years, as of January 1, 2004.

Data Source: Semi-Annual Water Quality Standards Backlog Report, data as of January 1, 2004, updated June 2004.

Information for the WQS Backlog Report is gathered from Regional WQS Coordinators by the WQS Branch.

OST is developing a WQS Tracking System that will track information relating to WQS submissions, approvals, disapprovals, promulgations, withdrawals, etc. This system is scheduled to be developed and in use by the Regions by FY05. Once it is a working database, the backlog reports will no longer be done and the system will contain all the necessary information, updated in real time. Therefore, data for this measure will be real-time starting in FY05.

(45) # WQS submissions that have not been fully acted on after 90 days: The # of WQS submissions that a State has submitted to EPA more than 90 days ago, but for which EPA has not issued a letter(s) fully approving and/or disapproving the standards, as of January 1, 2004.

Data Source: Semi-Annual Water Quality Standards Backlog Report, data as of January 1, 2004, updated June 2004.

Information for the WQS Backlog Report is gathered from Regional WQS Coordinators by the WQS Branch.

OST is developing a WQS Tracking System that will track information relating to WQS submissions, approvals, disapprovals, promulgations, withdrawals, etc. Hopefully, this system will be developed and used by the Regions by FY05. Once it is a working database, the backlog reports will no longer be done and the system will contain all the necessary information, updated in real time. Therefore, data for this measure will be real-time starting in FY05.

Water Quality Implementation

(46) State is implementing a comprehensive monitoring strategy (Y/N): Measures whether the State has a comprehensive monitoring program strategy that serves all water quality management needs and addresses all State water, including all waterbody types (e.g., streams, rivers, lakes, Great Lakes, reservoirs, estuaries, coastal areas, wetlands, and groundwater). The monitoring

program strategy is a long-term implementation plan and should include a time line, not to exceed ten years, for completing implementation of the strategy. It is important that the strategy be comprehensive in scope and identify the technical issues and resource needs that are currently impediments to an adequate monitoring program.

EPA is currently developing a draft of formal criteria to evaluate monitoring strategies. A draft of these criteria has been provided to the States for review. Data for this measure will remain blank until these criteria are finalized.

Data Source: To be compiled by Regional Monitoring Coordinators

(47) % river/stream miles assessed for recreation: The percentage of river and stream miles that were assessed against the State's recreational designated use or uses in the most current integrated report (sec 305(b) and 303(d)). This percentage does not indicate the percent of water either attaining or not attaining the State's water quality standards.

National Average: $(\text{sum over states}(\% \text{ miles assessed} * \text{miles})) / (\text{sum over states with } \% \text{ assessed data (miles)})$, where miles is from measure 39.

Data Source: National Assessment Database (NAD) data as of January 2004. The NAD is populated with States' electronic integrated reporting data and updated every two years. Due to differences between the NAD and published State reporting, values provided by the States and Regions were used for this measure for the following States: CT, MA, ME, NH, RI, VT, NJ, NY, DC, MD, VA, AL, FL, IL, IN, MI, MN, OH, WI, AR, LA, NM, OK, TX, MT, SD, AZ.

(48) % river/stream miles assessed for aquatic life: The percentage of river and stream miles that were assessed against the State's aquatic life use or uses in the most current integrated report (sec 305(b) and 303(d)). This percentage does not indicate the percent of water either attaining or not attaining the State's water quality standards.

National Average: $(\text{sum over states}(\% \text{ miles assessed} * \text{miles})) / (\text{sum over states with } \% \text{ assessed data (miles)})$, where miles is from measure 39.

Data Source: National Assessment Database (NAD) data as of January 2004. The NAD is populated with States' electronic integrated reporting data and updated every two years. Due to differences between the NAD and published State reporting, values provided by the States and Regions were used for this measure for the following States: CT, MA, ME, NH, RI, VT, NJ, NY, DC, MD, PA, VA, AL, FL, IL, IN, MI, MN, OH, WI, AR, LA, NM, OK, TX, NE, MT, SD, AZ.

(49) % lake acres assessed for recreation: The percentage of lake acres that were assessed against the State's recreational designated use or uses in the most current integrated report (sec 305(b) and 303(d)). This percentage does not indicate the percent of water either attaining or not attaining the State's water quality standards.

National Average: $(\text{sum over states}(\% \text{ acres assessed} * \text{acres})) / (\text{sum over states with } \% \text{ assessed data (acres)})$, where acres is from measure 40.

Data Source: National Assessment Database (NAD) data as of January 2004. The NAD is populated with States' electronic integrated reporting data and updated every two years. Due to differences between the NAD and published State reporting, values provided by the States and

Regions were used for this measure for the following States: MA, ME, NH, RI, VT, NJ, NY, DC, MD, VA, AL, FL, TN, IL, IN, MI, MN, OH, WI, AR, LA, NM, OK, TX, KS, MO, MT, SD, AZ.

(50) % lake acres assessed for aquatic life: The percentage of lake acres that were assessed against the State's aquatic life use or uses in the most current integrated report (sec 305(b) and 303(d)). This percentage does not indicate the percent of water either attaining or not attaining the State's water quality standards.

National Average: (sum over states(% acres assessed*acres))/(sum over states with % assessed data (acres)), where acres is from measure 40.

Data Source: National Assessment Database (NAD) data as of January 2004. The NAD is populated with States' electronic integrated reporting data and updated every two years. Due to differences between the NAD and published State reporting, values provided by the States and Regions were used for this measure for the following States: MA, ME, NH, RI, VT, NJ, NY, DC, MD, PA, VA, AL, FL, TN, IL, IN, MI, MN, OH, WI AR, LA, NM, OK, TX, KS, MO, MT, SD, AZ.

(51) # outstanding WQS disapprovals: As of January 1, 2004, the # of State WQS submissions for which (a) the EPA Regional Office has issued a letter disapproving portion(s) of a submission; (b) the State has not made the necessary revisions to meet the requirements of the CWA within 90 days of the letter; and (c) EPA has not promptly proposed and promulgated regulations setting forth a revised or new WQS.

Data Source: Semi-Annual Water Quality Standards Backlog Report, data as of January 1, 2004, updated June 2004.

Information for the WQS Backlog Report is gathered from Regional WQS Coordinators by the WQS Branch.

OST is developing a WQS Tracking System that will track information relating to WQS submissions, approvals, disapprovals, promulgations, withdrawals, etc. Hopefully, this system will be developed and used by the Regions by FY05. Once it is a working database, the backlog reports will no longer be done and the system will contain all the necessary information, updated in real time. Therefore, data for this measure will be real-time starting in FY05.

(52) WQS for E. coli or enterococci for coastal recreational waters: A State is counted as having WQS for E. coli or enterococci for coastal recreation waters if the State had adopted, and EPA had approved, as of January 1, 2004, criteria that apply to all primary contact recreation coastal or Great Lakes waters in the State. This measure only applies to the 35 coastal/Great Lakes States (CT, MA, ME, NH, RI, NJ, NY, PR, VI, DE, MD, PA, VA, AL, FL, GA, MS, NC, SC, IL, IN, MI, MN, OH, WI, LA, TX, CA, HI, AS, CNMI, GU, AK, OR, WA.) The remaining 21 States are marked as "n/a."

Data Source: Office of Science and Technology (OST) tracking for BEACH Act, data as of January 28, 2004, updated June 2004. This information is maintained by the OST WQS Branch, based on contact with Regional Coordinators.

(53) WQS for nutrients or Nutrient Criteria Plan in place: A State is counted as having WQS for nutrients if it had adopted, and EPA had approved, as of January 1, 2004, nutrient criteria with quantitative endpoints that apply to all freshwaters in the State. A State is counted as having a Nutrient Criteria Plan in place if the State and EPA have agreed to the State's Plan. A State will get a "yes" if it is in either of these two categories (i.e., either has WQS for nutrients or has a Nutrient Criteria Plan in place).

Data Source: Office of Science and Technology (OST) tracking, data as of January 13, 2004, updated June 2004. This information is maintained by the OST WQS branch, and the OST Health and Ecological Criteria Division. It is updated on an as-needed basis, based on information from Regional Coordinators.

(54) Cumulative # TMDLs completed through FY 2003: This measure counts all TMDLs developed (generally by States) and approved by EPA prior to Sept. 30, 2003. The values in this measure may differ from values on the TMDL tracking web site because this measure counts TMDLs completed before 1996, which the web site does not.

Data Source: National TMDL Tracking System (NTTS). Count of all APPROVED/ESTABLISHED TMDLs with Establishment date on or before Sept. 30, 2003. Pull conducted on July 2, 2004.

(55) # TMDLs completed in FY 2003: The number of TMDLs developed (generally by States) and approved by EPA during fiscal year 2003 (10/01/02 to 9/30/03). This measure tracks State progress on accomplishing the TMDL commitments, as indicated in measure B.

Data Source: Regional tracking of State progress on completing annual TMDL commitments. Compiled by the Watersheds Branch in the Office of Wetlands, Oceans and Watersheds; June 1, 2004.

(56) # TMDLs completed through FY 2003 that include at least one point source WLA: This measure counts all TMDLs developed (generally by States) and approved by EPA prior to Sept. 30, 2003 that are identified as having at least one waste load allocation for a point source (i.e. NPDES permitted facility).

Data Source: National TMDL Tracking System (NTTS). Count of all APPROVED/ESTABLISHED TMDLs with Establishment date on or before Sept. 30, 2003 that are of POINT SOURCE or NON POINT SOURCE/POINT SOURCE type and include a waste load allocation. Pull conducted on July 2, 2004.

Environmental Outcomes

(57) % Assessed river/stream miles impaired for swimming in 2000: Waters not supporting the "swimming designated use" are measured as the sum of water quality rivers and streams assessments that were either "not supporting", "not attainable", or "partially supporting" their "swimming designated use". The % for this measure is calculated by dividing the miles not

supporting the “swimming designated use” by the total miles assessed for swimming. These data were generated using the National Assessment Database via the WATERS expert query tool.

Data Source: National Assessment Database (NAD) data as of January 2004. The NAD is populated with States' electronic integrated reporting data and updated every two years. Due to differences between the NAD and published State reporting, values provided by the States and Regions were used for this measure for the following States: MA, ME, NH, RI, VT, NJ, NY, PA, WV, FL, IL, IN, MI, MN, OH, WI, LA, NM, OK, TX, MT, AZ, CA, WA.

(58) % Assessed lake acres impaired for swimming in 2000: Waters not supporting the "swimming designated use" are measured as the sum of water quality lake assessments that were either "not supporting", "not attainable", or "partially supporting" their "swimming designated use". The % for this measure is calculated by dividing the acres not supporting the “swimming designated use” by the total acres assessed for swimming. These data were generated using the National Assessment Database via the WATERS expert query tool.

Data Source: National Assessment Database (NAD) data as of January 2004. The NAD is populated with States' electronic integrated reporting data and updated every two years. Due to differences between the NAD and published State reporting, values provided by the States and Regions were used for this measure for the following States: MA, ME, NH, RI, VT, NJ, NY, MD, AL, FL, IL, IN, MN, OH, WI, AR, LA, OK, TX, MT, AZ, CA.

(59) # Watersheds in which at least 20% of the water segments have been assessed and, of those assessed, 80% or more are meeting WQS: A watershed is counted if 20% of the water segments have been assessed and of those assessed 80% are classified as fully supporting or fully supporting but threatened for all designated uses. Because watersheds cross State boundaries, this information cannot be given on a State-by-State basis. Water segments are defined by the States.

Data Source: National Assessment Database (NAD) data as of October 2003 via WATERS expert query tool. The data in the NAD is based on Water Quality Inventory reports submitted biennially by the States. Due to differences between the NAD and Regional reporting, values provided by the Regions were used for this measure for Regions 5 and 7.